

Title (en)
CONVEYOR FRAME TREATMENT FOR SUPPRESSING PHOSPHATE DRAGGING RESULTING FROM THE PLANT DESIGN IN A DIP COATING PROCESS SEQUENCE

Title (de)
FÖRDERGESTELLBEHANDLUNG ZUR UNTERDRÜCKUNG ANLAGENBEDINGTER PHOSPHATÜBERSCHLEPPUNG IN EINER PROZESSFOLGE ZUR TAUCHLACKIERUNG

Title (fr)
TRAITEMENT DE STRUCTURE DE TRANSPORT POUR SUPPRIMER LE TRANSFERT DE PHOSPHATES, LIÉ À L'ÉQUIPEMENT, DANS UNE SÉQUENCE DE TRAITEMENT DE LAQUAGE PAR IMMERSION

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Application
EP 17717187 A 20170413

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Abstract (en)
[origin: WO2017178618A1] The present invention relates to a method for the preliminary treatment against corrosion of a plurality of metallic components, in which dragging of water-soluble phosphates from an acid passivation process using water-dissolved phosphates as the active components, and which can be, in particular, a phosphating process, into the dip coating treatment stage, is effectively prevented. In the method according to the invention, a component is conveyed by a conveyor frame through all the treatment stages of the preliminary treatment line, and the conveyance pair consisting of the component and of the conveyor frame is only separated after dip coating for transferring the pre-treated component to the firing stage, releasing the conveyor frame to receive again a component to be pre-treated. In the process according to the invention, at least the part of the conveyor frame having been previously brought into contact with the aqueous treatment solution containing water-soluble phosphates during acid passivation, is then brought into contact during a special processing step for treating only the conveyor frame with an acid aqueous conditioning medium containing a total amount of at least 0.1 g/kg, relative to the medium, of water-soluble compounds of the elements iron, aluminium, calcium, magnesium, zinc, chromium(III), titanium and/or zirconium. This step is carried out according to the invention after the conveyance pair has been separated to transfer the pre-treated component to the baking stage, thus releasing the conveyor frame to receive again a component to be pre-treated.

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